

Tissue-engineered small intestine.

Journal: Expert Rev Med Devices

Publication Year: 2011

Authors: Daniel E Levin, Justin M L Dreyfuss, Tracy C Grikscheit

PubMed link: 22029464

Funding Grants: Mechanism of Tissue Engineered Small Intestine Formation

Public Summary:

The purpose of this review is to describe recent advancements in tissue-engineering of the gastrointestinal system. For some patients, a congenital or acquired defect in the alimentary system results in digestive or nutritional deficiencies requiring intervention.

Unfortunately, these treatments are associated with morbid complications. Advances in the growth of tissue-engineered esophagus, stomach, small intestine, colon and anus have been made in recent years. The progress reviewed here hopefully will someday benefit patients with gastrointestinal organ loss by providing a tissue replacement with morphology and function similar to native tissue.

Scientific Abstract:

Source URL: <https://www.cirm.ca.gov/about-cirm/publications/tissue-engineered-small-intestine>